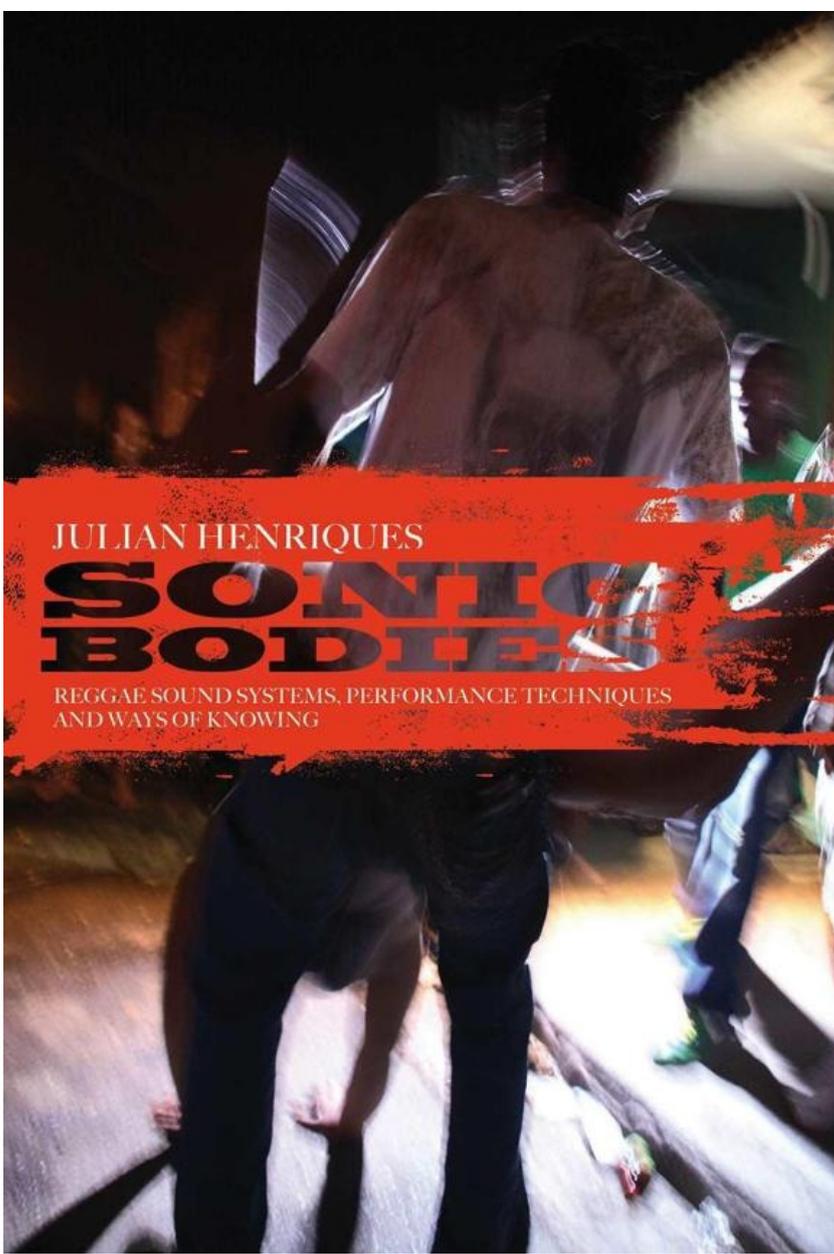


JULIAN HENRIQUES

SONTIC BODIES

REGGAE SOUND SYSTEMS, PERFORMANCE TECHNIQUES
AND WAYS OF KNOWING



JULIAN HENRIQUES

SONIC BODIES

REGGAE SOUND SYSTEMS, PERFORMANCE TECHNIQUES
AND WAYS OF KNOWING

Sonic Bodies

Reggae Sound Systems, Performance Techniques, and Ways of Knowing

By Julian Henriques



The Continuum International Publishing Group
80 Maiden Lane, New York, NY 10038
The Tower Building, 11 York Road, London SE1 7NX

www.continuumbooks.com

© 2011 by Julian Henriques

All rights reserved. No part of this book may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of the publishers.

Library of Congress Cataloging-in-Publication Data

Henriques, Julian.

Sonic bodies : reggae sound systems, performance techniques, and ways of knowing / by Julian Henriques.

p. cm.

Includes bibliographical references and index.

ISBN-13: 978-1-4411-4429-4 (paperback : alk. paper)

ISBN-10: 1-4411-4429-3 (paperback : alk. paper)

ISBN-13: 978-1-4411-0151-8 (hardcover : alk. paper)

ISBN-10: 1-4411-0151-9 (hardcover : alk. paper) 1. Dancehall (Music)--Jamaica--History and criticism. I. Title.

ML3532.H47 2011

781.646097292--dc22

2011003536

ISBN: 978-1-4411-6346-2

Typeset by Fakenham Prepress Solutions, Fakenham, Norfolk NR21 8NN

Dedication
to my father Fernando Henriques
(1915–1976)



Frontispiece Erecting the speaker stacks, Skateland.

[Preface](#)

[Acknowledgements](#)

[List of Figures](#)

[Preamble: Thinking Through Sound](#)

[The time and place of sounding](#)

[Body of sound](#)

[Body of thought](#)

[The argument of *Sonic Bodies*](#)

[Introduction: Practising and Theorising Sounding](#)

[1. The Dancehall Scene](#)

[Jamaican auditory culture](#)

[Three wavebands of sounding](#)

[Three-fold relationships](#)

[Theoretical context](#)

[2. Sound Systems](#)

[Instruments](#)

[Media](#)

[Techniques](#)

[Part 1. The Audio Engineer and the Material Waveband](#)

[3. Fine-tuning](#)

[Audio engineering](#)

[Manipulating](#)

[Monitoring](#)

[Evaluating](#)

[4. Learning to Listen](#)

[Learning to engineer](#)

[Apprenticeship tradition](#)

[A research methodology of listening](#)

[Sonic engineering](#)

[Part 2. The Selector and the Corporeal Waveband](#)

[5. Juggling](#)

[The selector's role and function in the session](#)

6. Cut, Mix 'n' Rewind

Cut and splice

Mixing

Rewind and repetition

Part 3. The MC and the Sociocultural Waveband

7. Voicing

The MC's role in the session

Lyrical techniques

Performance tropes

Personality

8. Rhetoric and the Logic of Practice

An ancient art of communication

Ways of knowing

Situatedness

The logic of practice

Measure and value

9. Conclusion: The Sonic Logos

Know-what and know-how

Sounding a critique

Logos as ratio, proportion and patterning

Triangulation

Last Word: Dubwise

Notes

Bibliography

This book started with a single idea, at a particular moment. This was a remark that Stuart Hall made to me over a restaurant supper. Talking about visual arts in the Caribbean, the conversation turned to Jamaica and he said to me something like: “You know it is really a *sonic* culture.” A *sonic* culture, it struck me, as against assuming that culture was automatically visual. That was the seed from which the research and ideas presented here grew, thanks to Stuart’s gift. It has grown on the ground of my research interests as a filmmaker, and the knowledge of the Reggae and Dancehall scenes in both the UK and Jamaica this gave me. Some of the BBC documentaries, like *Derick Walcott: Poet of the Island*, were located in the Caribbean, where I lived and worked from 1996 to 2001. In my short *We the Ragamuffin* and feature film *Babymother*, Reggae music and culture played a large part. What I remembered of this work was how, in practice, auditory communication is as meaningful as the visual, representational and discursive forms of expression that are commonly assumed to have the monopoly on meaning. Such sonic cultures encourage the values, qualities and intensities of audition to be given the same weight as the measure, quantities and spread of visual information. It is intended as a step towards understanding the meaning of audition and the sense of sound.

With this concern for subjectivity and knowing, *Sonic Bodies* returns me to my first research interests in *Changing the Subject* and the journal *Ideology & Consciousness*. But I would also like to acknowledge that a major theoretical inspiration for *Sonic Bodies* comes from the embodied knowing it seeks to understand. In particular the often nuanced, textured and subtle account that dancehall argot and popular Jamaican expressions often provide, have helped me develop an “overstanding” of the “vibes” of a sound and the “livity” of a way of life. Indeed the imaginative resources of Jamaican popular culture – in the 1940s religious cults – were also central to my father’s social anthropological study, *Family and Colour in Jamaica*. In any event, thinking through sounding is touched with the experimental spirit of the studio recording practices of *versioning* and *dubbing*, where, as it’s said, “every spoil is a style.”

Acknowledgements

Those friends and colleagues I would particularly like to thank for their helpful comments and encouragement include Stuart Hall, Les Back, Lisa Blackman, Keith Critchlow, Steve Goodman, David Scott, Tony Bogue, Jeremy Weate, Homi Bhabha, Valerie Walkerdine, Couze Venn and my PhD supervisors Dave Morley and Sara Ahmed; and my examiners Iain Chambers and Keith Negu. Also I would like to thank my interviewees for sharing their knowledge and understanding, particularly the late Ms Louise Frazer-Bennett, Winston “Wee-Pow” Powell, Horace McNeal, D. Squeeze, Denton Henry, Vuralado Barnett, Hedley Jones and fellow dancehall researchers Sonja Stanley-Niaah, Bibi Bakare-Yusuf and Deborah Hickling. Finally, I would also like to thank my wife Parminder Vir and our daughters Mala and Anuradha for all their patience, support and inspiration.

Frontispiece	Erecting the speaker stacks, Skateland	v
1.1.	Stone Love Movement logo on a banner	
1.2.	Bar on Baker Street, Jones Town, Kingston	
1.3.	Map of Kingston, uptown and downtown, with the locations of some of the dancehall sessions attended for research	
1.4.	Quotations from the Gospels on the wall, next to advertisements, Jones Town	1
1.5.	A biblical reference, “Prov. 3 vs5”, car rear window, Jones Town	1
1.6.	DVD cover for 2005 World Cup clash, New York	1
1.7.	A Kumina Duty, Spanish Town, circa 2000	1
1.8.	Bashment poster featuring artists, selectors, MCs and videoman	1
1.9.	The middle and inner ear	2
1.10.	Live video screen, dancers and camera (bottom right) Chuchu Benz session, August Town, 2004	2
1.11.	The material, corporeal and sociocultural wavebands of sounding	2
1.12.	Three dimensions: sound in time, music, and an object in space	2
2.1.	The triangulation of the three elements of propagation	4
2.2.	The wavebands of sounding and the elements of propagation	4
2.3.	Stone Love Movement owner Winston “Wee-Pow” Powell	4
2.4.	Unloading the speaker boxes, Skateland	4
2.5.	Stone Love engineer Winston “stringing up” the set	4
2.6.	Running repairs following a breakdown for Stone Love set at the Skateland session	4
2.7.	The instruments and wavebands of the sound system	4
2.8.	The three dimensions of a longitudinal wave as qualities	5
2.9.	The triangulation of wavebands, elements of propagation and features of sound waves	6
3.1.	Horace McNeal, Stone Love Movement chief engineer	6
3.2.	A cabinet-maker at work in Horace McNeal’s speaker cabinet production workshop, Torrington Avenue, Kingston	7
3.3.	Monitoring controls on DJ Squeeze’s Skyy [sic] sound system truck, <i>Thunder</i>	7
4.1.	The practice of listening	8
4.2.	Gilly Priest, Promoter and Head of Security, Skateland, Half Way Tree, Kingston	10
4.3.	Venus Disco owner and a maintenance crewmember washing the inside of the bass bin, before the session, Skateland, Half Way Tree, Kingston	11
	Engineer Winston dusting down the controls with a dry paintbrush,	

4.4.	Skateland, Half Way Tree, Kingston	11
<hr/>		
4.5.	Manipulating and monitoring in a control system	11
4.6.	The triangulation of fine-tuning: manipulating, monitoring and evaluating	12
5.1.	F/x man, MC and selector behind the desk at the Chuchu Benz session	12
5.2.	Stone Love Calendar featuring selectors Slaughter, Gee-Fus and Swamp King the Animal	12
5.3.	Stone Love Movement's roster of selectors on their webpage	12
5.4.	DJ Squeeze, owner and engineer, with his Skyy (sic) sound system sound truck, <i>Thunder</i> , and generator <i>Lightning</i>	13
5.5.	Dawn, Sunday 18th August 2002, Skateland, Half-Way Tree, Kingston	13
5.6.	Auditory flows and the principles of cutting, mixing and repeating	14
6.1.	The triangulation of selecting: cutting, mixing and repeating	14
6.2.	Film sound mixing in the Warner Bros. Studio, circa 1929	15
6.3.	Dance crew at Passa Passa	15
6.4.	Dancehall Queen Stacey, left, Chuchu Benz session	15
6.5.	Lee "Scratch" Perry's Black Arc recording studio, circa 1978	15
6.6.	Crewmembers, wavebands and the axes of communication	16
7.1.	MC Sky Juice at Skateland, Saturday 17th August 2002	17
7.2.	The late Louise Fraser Bennett, Press Secretary, Jamaican Sound System Association, outside their HQ, 2002	18
7.3.	Cover of promotional booklet for the UK Cup Clash, London	18
7.4.	The late Bogle dancing the "Ghetto Bicycle," at Firelinks, Hot Mondays, 15th September 2003	19
8.1.	The rhetorical triangulation of voicing: <i>pathos</i> , <i>ethos</i> and <i>logos</i>	20
8.2.	Crewmembers, techniques, media and instruments	21
8.3.	Triangulations of the selector's techniques with the wavebands of sounding	23
9.1.	Ways of knowing: <i>epistême</i> , <i>techné</i> and <i>phronēsis</i>	24
9.2.	The qualities of knowing	24
9.3.	The dynamics of the <i>sonic logos</i>	25
9.4.	The <i>logos</i> of ratio and representation	25
9.5.	Relationships of line and triangle between three points	25
9.6.	The Golden Section	26
9.7.	The ways of knowing of the <i>sonic logos</i>	26
9.8.	The qualities of the first three numbers	26
9.9.	The triangulation of mind, body and world	26

It hits you, but you feel no pain – instead, pleasure.¹ This is the visceral experience of auditory immersion, immersed in auditory volumes, swimming in a sea of sound, between cliffs of speakers towering almost to the sky, sound stacked upon sound – tweeters on top of horns, on top of mid, on top of bass on top of walk-in sub-bass bins (see Frontispiece). There is no escape, not even thinking about it, just being there alive, in and as the excess of sound. Trouser legs flap to the bass line and internal organs resonate to the finely tuned frequencies, as the vibrations of the music excite every cell in your body. This is what I call *sonic dominance*.² It explodes with all the multisensory intensity of image, touch, movement and smell – the dance crew formations sashaying across the tarmac in front of the camera lights, the video projection screens and the scent of beer, rum, weed, sweat and drum chicken floating on the tropical air. The sound of the Reggae dancehall session calls out across the city blocks and countryside hills, to draw you in. This brings you to yourself, to and through your senses, and it brings you to and with others sharing these convivial joys – out on the street under the stars in downtown Kingston, Jamaica.

Such a scene is literally the dance of the *sonic bodies* to which this book attends. Sonic bodies are fine-tuned, as with the phonographic instrument of the sound system “set” of equipment. Sonic bodies are the flesh and blood of sound system crew and “crowd,” as the dancehall audience is known. They are single and multiple. They are social, as with institution of the sound system session at the centre of the Dancehall scene. Sonic bodies pulsate as the bass line frequency of Reggae’s signature beat. It is the crew’s *esprit de corps*. Sonic bodies are vocal, as well as musical, with the MC (or DJ) voice booming out across the darkened dancefloor, to elicit the crowd’s response. Sonic bodies also consist of a corpus of knowledge, handed down through five generations of audio connoisseurs from the inventor of the sound system, ex-RAF radar engineer Hedley Jones. Sonic bodies are therefore “knowing,” knowledgeable and they “make sense,” as with the selector dextrously “juggling” the turntables to build the “vibes” of each dancehall session. Sonic bodies are performative and highly skilled, as with the crewmembers’ techniques to generate and sustain the dancehall’s economies of pleasure. These “scientists of sound” continually monitor, investigate and innovate the sound of the session to maintain their sound system’s advantage in the most intensely competitive and sometimes violent of street cultures. This makes the dancehall session a unique living laboratory – an auditory Galapagos – outside the usual dominance of vision.

The Reggae sound system session at the heart of Jamaican popular culture can be considered as a unfamiliar example of the kind of auditory immersion that is occurring in many other places. Bodies are being increasingly recognised as sonic despite so much attention given to screen, images and digital communications. There is an auditory flood engulfing us from mobile MP3 players, “sodcasting,”³ muzak, bespoke radio stations, personal playlists and ever-decreasing download latencies from an ever-increasing range of music, archives and back-catalogues.⁴ There is, however, a major distinction to be made between this musical ubiquity and the dancehall sound system. With the sound system, bodies are placed inside sound, whereas with earphone listening it’s the opposite, sound is placed inside bodies. As with much to do with sound there are two sides to this auditory saturation: receptive and expressive. On the one hand, this current immersion in auditory abundance can be experienced as a *sonic invasion* of our bodies and their personal space. On the other, it can also be heard as a *sonic extension* of the body, in the way Marshall McLuhan considered the wheel was of of

feet. After having been imprisoned in writing for the past two and a half millennia, in little over hundred years of phonographic recording sound and music are being liberated from music transcription and sound's circumstances of embodied production. Recording, distributing and listening to sound has become almost as easy, ubiquitous and mobile as reading and writing. This is the quotidian context in which we are now enjoying – or suffering – this auditory excess.

Sonic bodies may be contrasted with light bodies in the way that audition carries a corporeal weight – exemplified by the liminal extremes of the *sonic dominance* sound system session – that vision has traditionally been used to escape. Sonic bodies have to be heard, felt and given the attention of listening. It is of little use looking for them. Sonic bodies demand being approached in a certain way, one based on a relationship of mutual recognition and respect, as distinct from the positivist scientific paradigm of prediction and control. Sonic bodies produce, experience and make sense of sound. Sound, even as the playing of a recording, is always “live” at the point of hearing. Sounding has to be embodied as an event in a particular time and place, as distinct from being “frozen” as a text or image whose embodiment is less immediate. This is the point that Jacques Attali famously makes: “... the world is not for the beholding. It is for hearing. It is not legible, but audible.”⁵

In this book I offer you, as the sonic body of the reader, an invitation, simply put – to become a listener. Only then can you venture inside the sonic body, or rather some of these multiple sonic bodies. *Sonic Bodies* is a journey into sound. My entire approach and orientation is one of thinking *through* sound. This is sound *qua* sound, that is, auditory vibrations. This is distinct and different from how certain sounds are taken to indicate objects or events. Thinking through sound is also distinct and different from our habitual thinking through images, or, it is important to note, music. Indeed, it also has to be distinguished from thinking *about* anything. Sound can indeed be an object of thought, as gained research attention with the Canadian work in sonic environments and *soundscape*s in the 1970s.⁶ Instead, thinking through sound is a *way* of thinking, a process of knowledge, and a gnosis. Thinking through sounding brings to the fore the value of auditory propagation as a mechanical process, as a model of a way of understanding that avoids being entirely bound up with language notation and representation.

Sounding is a dynamic patterning propagated through a medium. Though it cannot be expressed outside its embodiment in such a medium, it is in itself entirely immaterial and insubstantial. Sounding is a transitory event in time, rather than an often more permanent mark on a visual surface. Such events are entirely distinctive, unique and unrepeatable. Sounding has direct sensorial effects and affects, as with smells, tastes and gestures, in addition to how it is purposed as a medium for encoding meaning, as with phonetics. This intrinsic meaning of sounding is often independent of conscious attention, as with the prosody of the actual utterance, that is, tone of voice. Thus the idea of sounding serves to draw attention to a rather different object of enquiry than the conventional ones of text or image. In practice it is not object at all, but a process or event, not a coded representation in a medium, not a thought but a feeling – often independent of conscious reflection.

In these ways, *Sonic Bodies* mounts an auditory investigation, rather than only an investigation of audition. To do this, sounding is considered *mechanically* – as auditory propagation and specific sensory modality of audition, distinct from, yet integrated with, the other senses. It is also considered *practically* – as the basis for the techniques and traditions of a particular popular auditory culture like the Jamaican Reggae dancehall session. Drawing on such embodied ways of knowing grounds this investigation with the material of numerous examples. Finally, sounding is considered *theoretically* as a dynamic model for both raising questions about the world – as distinct from the way the trope of the visual image is often used to settle them – and understanding itself – as is developed with the idea

of sound judgement in the conclusion.

If thinking were only a matter of ideas, that is, an activity of a mind that could be isolated from its body, then the model, metaphor or medium of thinking would not be quite so important. On the other hand, if thinking is more than this, as is argued throughout *Sonic Bodies*, then important implications follow. Furthermore, if what is called thinking has its origins in the kinds of processes, practices and potentialities that only our embodiment affords, then the metaphor is not to be dismissed as a crutch but is the actual limb of thought.⁸ Like any language, sound embodies its own unique sensitivities, nuances and idiomatic forms of expression that inevitably get lost in translation. The auditory vocabulary carries values and associations: we “sound someone out,” for instance, or have “sound judgement,” as is discussed in the conclusion. Thinking through sound is thus a matter of working through the *medium* of sound as thought. We work *through* something to find out more, or “to work out.” This can mean “taking it in,” or letting it “sink in,” that is, absorbing, assimilating, incorporating, or even ingesting something, so that we become part of it and it becomes part of us. So the passage of working *through* indicates the crossing of a threshold. With sound, this can be the traditional barrier between thinking and doing, or interior and exterior worlds, or mind and body, for instance.

What sound offers is a dynamic model of thinking. This can only be expressed through corporeal practices of thought, rather than the more commonplace discursive line of thought. Indeed, such a tissue of thinking lends itself to diagrammatic expression, as with the numerous triangulations throughout *Sonic Bodies*. These are, of course, expressed in a visual medium, but without being tied to this form of representation as such.⁹ Thinking through sound concerns vibrations specifically, as against the more commonplace visual preoccupation with words or representational images. It draws on a repertoire of metaphors, analogies and models that are distinct and different from those of visual representation, discourse and inscription. Light and visual processes are often used in expressions of the immateriality of mental images. By contrast, sounding, though emphasising relationships, always insists that we do not forget that auditory processes always require expression through a particular material medium, such as air or water. *Sonic Bodies* proposes auditory propagation itself, that is, the periodic movement of vibrations through a medium, as a suitable model for sociocultural as well as corporeal and material processes. These vibrations have to be considered together with the techniques and the instruments required to make them. As with sounding itself, sonic bodies are only ever expressed in a particular, embodied and specific medium, event and location, that is, a time and place.

The specific exemplar for *Sonic Bodies* of the Reggae sound system session takes place every night of the week, out on the streets of Kingston. But before we get there, there is another way in which the particular and specific character of sonic bodies can be taken into account. Both sonic bodies and sounds themselves, as events situated in time and space, are always distinctive and unique. Indeed, with embodiment we can never forget ourselves. It is our own subjectivity, as with a sound event itself, that needs to be recognised and appreciated – rather than sacrificed on the altar of objective science. So the writing of this book has necessarily been a personal biographical journey, as it is with every researcher, and what draws them to their research topic. Often this is entirely unconscious, only evident in retrospect, or with the clarity that another person can supply with comparative ease.

Even to begin an understanding of how the crew members stage and run a dancehall session demands setting aside commonplace approaches. On the one side, there is the model of understanding as rational or cognitive process, involving representation and calculation. The improvised and extemporised and spontaneous character of their performance appears to rule out such a cerebral

picture of what they do. As the antithesis to this, the crew's performance could be considered ~~entirely intuitive, instinctive and even "natural," as consistent with the racist stereotypes.~~ But the range of frequencies of wavebands, detail of nuance and judgement of timing, demand a far more complex account than such biologically determined approaches can offer. *Sonic Bodies* claims that the crew's fine-grained, sophisticated and subtle responsiveness and manipulation of the multi-sensor and multi-media apparatus of the dancehall session demands a different understanding of the nature of rationality itself – as a challenge to what are conventionally considered the limitations of embodied cognition. This is one of the major rewards for thinking through sound.

My journey into sound was from music (rather than from the frequently "overlooked" value of sound in filmmaking). Music had often been the subject of the BBC documentaries I made throughout the 1980s, particularly as a vital component of popular culture. When I moved into making fiction films and eventually the feature film *Babymother*, music featured literally centre-stage in this Reggae musical set in Harlesden, West London. Musical performance gave my on-screen characters, not to mention the often fresh talent of my cast, a certain confidence. So when it came to repurposing my filmmaking experience for academic research, it was natural to utilise the Dancehall scene that had been the subject of my documentaries and the setting of the fiction. Here it was the sound system engineers who attracted my interest, as the Dancehall scene is primarily one of playing already recorded music, that is, phonographic reproduction, rather than an artist's live performance.

Living in Kingston from 1996 to 2001 gave me the opportunity for easy access to the dancehall sessions downtown. Over this period I ran the film and television department at CARIMA (Caribbean Institute of Media and Communications) at the University of the West Indies, Mona. Researching and writing my feature film *Babymother*, I established a research relationship with Winston "Weepow" Powell. He is the founder and boss of Stone Love Movement, the island's leading and longest established sound system. But it took a friend, the filmmaker John Akomfrah, to point out to me that my interest in popular culture was in fact very much following in my father's footsteps. Fernando Henriques' *Family and Colour in Jamaica* was written on the basis of his research into the popular African-Christian religious cults, such as Pocomania, in rural Jamaica. That was published in 1953, with me hardly born. My connection with the field that would in the 1970s and 1980s establish itself as Cultural Studies has also been a personal matter. Its founding figure, Stuart Hall, claimed to me that on the eve of his departure from Jamaica to England, as a Rhodes scholar at Oxford, he had had what was to turn out to be a fateful conversation with my father.¹⁰ (Their families were friends both living in Port Antonio, Portland.) My father, also at Oxford, had returned to Jamaica for his PhD research. According to what Stuart told me, this conversation inspired him to recognise that there could be other professions, besides the middle class favourites of lawyer and doctor, that he might pursue. Such are the contingencies, necessarily specific and local (and personal), for which Stuart would later to provide such a persuasive theoretical account that is also the lineage I am most comfortable locating myself. Such, also, is the connectivity of sounding.

So this was the personal history I now like to think guided me on my path to the dancehall session in downtown Kingston. These sessions are enjoyed by audiences several thousand strong, with dance crews sashaying across the tarmac dance-floor, in front of camera lights for live large video screen projection and round-the-clock local cable television broadcast. The compulsive energy and contradictory extremes of the Jamaican dancehall sessions are best located in the auditory culture of the island's society. For over 50 years this street dance scene has been the lifeblood of many West Kingston communities, with the sound system as a mechanism for converting cultural into commercial capital.¹¹ Dancehall style and fashion cuts and mixes African rhythms and retro vinyl

technologies together with the latest digital music and video software; Rastafarianism and a strict Christian religiosity; sexually explicit costume and choreography with internationally censored and gay lyrics; local and global markets; sectarian ghetto political violence and American consumerist values. In an inner city session a “gun salute” is the highest praise for the MC, and the “clashes” between rival sounds evoke fierce fan loyalties, as with football teams. Not only is Dancehall a *base* culture in terms of the pumping lower frequencies of the Reggae bass line, but also a *base* culture as popular street culture, not to mention the bottom-up of its signature “bumper-grinding” sexual explicit choreography.

Insisting on the importance of the materiality and corporeality of media promotes ways of understanding that are inevitably gendered, raced, classed, aged and so on.¹² The sound system crewmember’s ways of knowing tend to be male, compared with the young female ways of knowing the crowd, for instance. Particular situated and embodied ways of knowing also contrast with the conventional ideals of knowledge as universal, objective and abstract “ideas” in general, where the signifier “floats” above the signified. This makes sounding materialist in its approach, but this is *rhythmic* materialism, as distinct from what can be called the gross materialism of genetic reductionism, for example, or deterministic historical materialism. Sound is always a dynamic event forever incomplete and continually in a state of change. Thus, thinking through sound offers a way to voice criticisms of the status quo and raise questions, in the way that images are often used to settle them. In the mechanics of auditory propagation, noise is necessarily a disturbance: it disrupts and can be used as a destructive weapon.¹³

As with sound-making, sonic bodies require an instrument for their propagation, as vocal cords can be described as the instrument for voicing. The dancehall sound system “set” is the particular instrument for Jamaican music. As a phonographic technology at the centre of the shared music event of the dancehall session, it is widely recognised that it has exerted a considerable influence on Jamaican music and many others worldwide. As Michael Veal puts it, “These sound systems have been more central to musical innovation in Jamaica than live performance, and the creative practices developed in the sound systems have in turn influenced the evolution of recording conventions.” This is such that Reggae and Dancehall music in Jamaica has developed in tandem with the sound systems themselves.¹⁵ In his comparative study of the Kingston and Montreal music scenes, John Constantinides describes the sound system as “the lynchpin of Jamaican music ... not only a mediator or diffuser of recorded music, but an influential creative actor in the production of Jamaican music culture wherever it may be found.”¹⁶ Working and thinking go together, not only in the performance techniques of the crew, as the subjects of the investigation, but also its methodology. This demands a continual shuttle between, on the one hand, observation and listening to the phenomenon, and on the other, theoretical considerations and elaborations.

Besides medium and instrument, the third element for auditory propagation, to which *Sonic Bodies* gives sustained attention, is the skilled techniques for playing these instruments. The crew performance techniques embody a particular way of knowing, know-how, or *techné*. Aristotle contrasts *techné* with both *episteme* (from $\epsilon\pi\iota\sigma\tau\alpha\mu\alpha$, “to know”) or formal, analytical or scientific knowledge, on the one hand, and on the other, *phronēsis*, or practical wisdom, to which we return at the conclusion. The sound system crewmember’s expertise and skilled techniques for playing the sets have certainly contributed to Reggae’s international success, as well as its influence on many other music genres. These techniques have been the foundation for a host of musical genres, from Hip Hop to Techno and Grime. Jamaica is arguably the source of black power. In music, this was initiated with

King Tubby's innovative dub techniques, anticipating sampling and being felt across pop and avant-garde music, as well as Big Youth's "toasting" pioneering Rap in the 1980s. In addition, the Jamaican musical influence has been felt internationally in Hip Hop, Jungle, Drum & Bass, Garage and currently Grime and Dubstep. As an instrument for enjoying music, sound systems have also shaped DJ performance technique, the studio practices of *versioning* and re-mixing, as well as the pleasure of listening in Raves, Clubs and Carnivals.

Sonic Bodies contends that the media, instruments and techniques that allow auditory propagation can also account for the spread of sonic bodies. Rhythms are infectious. The musical, cultural and political "vibes" of Reggae, Dub and Dancehall have been carried abroad in the music of such international stars as Bob Marley and, more recently, Turbulence, Movado, Shaggy, Sean Paul and Damian Marley. The sound crews' skills are also tested on the international stage in sound "clashes" or championships, where Japanese, German, Italian and American, Canadian as well as Jamaican Sounds compete. There are also vibrant local sound system scenes in these countries as well as Mexico and Brazil. These Sounds, as sound systems are called, are crewed not by Jamaicans, but by natives of those countries. Some of these, especially the Japanese and German sound systems, have the enthusiasm, skills and confidence to compete against Jamaican Sounds on their own island turf; for example, Sentinel, a German Sound, won the 2006 World Cup Clash. Sonic bodies are thus both one and many at the same time, as is expressed as much in the Rastafarian conception of singular and plural – as "I n' I" – as it is in Bracha Ettinger's concept of the *matrixial*.¹⁷

Sonic Bodies draws on several years of participating and observing the island's leading Stone Love Movement in action; and listening to what they say:

When you get the instrument of authority with the mic you must use it constructively ...

You have to love the music ... sound business I born in it, grow by it, live by it ... You connect musically with the people, like you become this puppeteer ...

Winning a competitive dancehall "clash" often depends, *inter alia*, on the choice of music. So how does the selector, for instance, know which is the right groove to drop the needle in? The answer to this question, it is proposed here, is to be found in the media and periodic movement of sounding itself. Just as the popular culture of Dancehall provides a specific site for investigating auditory culture, so the particularities of sound itself provide materials for understanding how this works. Working sonically in this way takes its cue from the *phonographic* reproduction of music by the sound system set of equipment itself. As against "live" musical performance, this inspires consideration of the crew's *re-performance* skills for re-playing already recorded music. As one engineer put it: "A sound system is re-processing music that's been processed already." It is an apparatus for the re-presentation, rather than representation of music. In short, re-performance is the remix of the mix performance. Re-performances combine the tradition of interpretation (as with a classical music score) with a record, together with that of improvisation (as in jazz), but here "rewinding" the track, with the MC extemporising on top of it.

So *Sonic Bodies* calls for a dive deep into the mechanics and materiality of the auditory medium itself, with its tones, textures and intensities. Thinking and working *through* and *with* sounding suggests *sinking into* sound, theorising down to the depths of the lower frequencies of the bass line, the infra sound of its roots and routes, sinking into the substance of the subject, being immersed in it, as with the sonic dominance of a dancehall session, and thereby deep into the frequencies. The vibration of sounding sink into theorising to produce sonically saturated theory, as it were – as a *syncing* of the

dynamics and auditory vibrations of sound theory with those of a dancehall. With its audibility and methodology of listening, the propagation model attempts to establish *sounding* as a particular activity for investigation. Sounding is a complex set of relationships that is invariably expressed on several different registers at the same time. Most often these registers are considered separately, isolated from each other, as with mechanical and social processes, or technological and psychological levels of analysis, for example. The conceptual force of sounding is to refuse such dichotomies in favour of an intrinsically relational approach. *Sonic Bodies* raises the question: what can thinking through sounding tell us about social and cultural practices and the processes of communication in particular? If this is a theoretical question, it is answered by way of a specific practical example: how, or in what manner, does a sound system work? That is what this book explores.

The time and place of sounding

The idea of thinking through sounding is hardly without precedent in *practice*. This way of knowing is the living heartbeat of many music traditions, especially where these are popular and oral, as with the Reggae sound system. Thinking through sounding is what the engineers and other crewmembers actually do, without necessarily “reflecting” or verbalising it. Similarly, there is a small but significant body of scholarship describing Jamaican music and culture, without necessarily utilising this as evidence for any particular theoretical position. This provides a useful context in which to place the particular findings on the Stone Love Movement sound system. The current literature on Reggae and Dancehall was pioneered by Carolyn Copper’s *Noises in the Blood* and more recently *Sound Clash*. It also includes Norman Stolzoff’s *Wake the Town and Tell the People*, Lloyd Bradley’s *Bass Culture*, Donna Hope’s *Inna di Dancehall* and Sonjah Stanley-Niaah’s *Dancehall from Slave Ship to Ghetto*. A broader political and cultural context has been provided by Deborah Thomas’s *Modern Blackness* and Obika Gray’s *Demeaned but Empowered*.

The specific detail of the particular Stone Love Movement sound system exemplar also follows the footsteps laid by Olive Lewin, Cheryl Ryman and Garth White’s pioneering ethno-musicological research on Jamaican folk traditions. In fact, one of the earliest studies of Jamaican popular culture was my father’s, mentioned above. The general approach of *Sonic Bodies* draws on the Cultural Studies approach to subcultures, initiated with the work of Richard Hoggart, Raymond Williams and Stuart Hall, and developed by Dick Hebdige, Dave Morley, Iain Chambers, Paul Willis, Paul Gilroy, Angela McRobbie, Laurence Grossberg and many others. It is concerned with “culture” and systems of signification that include everything that people do in and with their expressive practice. Style and fashion are invariably critical, as Zora Neil Hurston and Henry Louis Gates have shown in their accounts of rhetorical tropes in the African-American vernacular. Jamaican Dancehall is possibly the fastest moving, most creative and occasionally most violent of music scenes.

Sonic Bodies is also to be located in the musical cauldron of the Caribbean region, in relation to work on other Caribbean genres, such as Gordon Rohler’s *Calypso and Society* and Jocelyne Guilbault’s on zouk music, and recently on kaiso, as well as Mimi Sheller’s *Consuming the Caribbean*. Also the Reggae of the sound systems can be considered in a broad range of influences, namely from African music, with Kofi Agawu’s work, and African dance and visual culture with that of Bilal Bakare-Yusuf. Reggae’s own influence on Hip Hop is explored for example in Trisha Rose’s *Black Noise*. The theoretical use that *Sonic Bodies* makes of Caribbean cultural material includes embodied

ways of knowing and modernism for which David Scott's *Refashioning Futures* and *Conscripts of Modernity*, Antonio Benítez-Rojo's *The Repeating Island* and Anthony Bogues's *Black Heretics* and *Black Prophets* have provided inspiration. Another way in which *Sonic Bodies* is different from much of the Jamaican and Caribbean literature is how it uses particular situated local practices to raise more general theoretical issues. In this respect it follows Huon Wardle's *An Ethnography of Cosmopolitanism in Kingston* on Kingston's street culture, or Tim Ingold's anthropological study of skilled craft practices (though these are those of Arctic Laplanders).

Thinking through music has certainly been most productive, with Kodwo Eshun's *More Brilliant than the Sun* with his sonic journey into Jazz and Funk, Josh Kun's *Audiotopia* on the American racial imagination and James Sneed's prescient essay *Repetition in Black Culture*. In the classical field Jacques Attali's *Noise* and more recently Alex Ross's *The Rest is Noise: listening to the twentieth century* need to be mentioned. But the principle concern of *Sonic Bodies* is with the sound of music, distinct from music as such. As Sílvia Torres-Saillant points out in *An Intellectual History of the Caribbean*, musical subjects have their limitations, and he criticises what he calls the "favorite sport" of Caribbean scholarship has for popular music and assumptions about the progressive political character of music. This attention to sound takes its cue from dub music itself that emphasises the material and dynamic base and bass of sound, rather than the superstructure of musical melody and harmony. It draws on Michael Veal's account of music studio production techniques in *Dub: Soundscapes and Shattered Songs in Jamaican Reggae*, mentioned above, Louise Meintjes's in *Sound of Africa! Making Zulu Music in a South African Studio* and Louis Chude-Sokei's essays on the sound system. But rather than studio recording, post-production, or the traditional concert, *Sonic Bodies* concentrates on the crew's re-performance of pre-recorded music. This auditory emphasis is on techniques located in a popular cultural phenomenon, rather than in the traditions of avant-garde and classical music as is more often the case, as, for instance, with Douglas Khan's brilliant *Noise Water Meat*.

In so far as *Sonic Bodies* is located within the field of Cultural Studies, it aims to develop an *auditory* Cultural Studies in relation to, but distinct from, its more usual *visual* inclination (along with most other disciplines and approaches). Furthermore, it attempts a mode of Cultural Studies that is *itself* auditory, as distinct from one that has audition as its object of investigation. This specific auditory emphasis also makes *Sonic Bodies* distinctive within the Jamaican and Caribbean literature in contrast with the literary tradition of "reading" images, lyrics and musical "texts," as well as the more recent social geography of the location of Dancehall venues in Sonjah Stanley-Niaah's work. Thinking through sound draws attention to the mechanical processes of auditory propagation; music, on the other hand, attends to social and cultural ones. Neither sound nor music afford immediate opportunities for representation in the way visual images and graphic signification do – that is, with the phonetic harness of language. Outside a Caribbean setting as such, Les Back and Michael B. Denning have taken up the importance of sound with their groundbreaking edited volume *The Auditory Culture Reader*. Jonathan Mowitt's *Percussion* and Barbara Browning's *Infectious Rhythms* on Brazilian samba are also important in this respect. Steve Goodman's *Sonic Warfare* theorises the full range of frequencies, from infra to ultrasound that make up the auditory spectrum. Daphne Brooks's *Bodies in Dissent* adds a historical dimension to race and performance. Another important lead is given by Francis Dyson, who in her *Sounding New Media: Immersion and Embodiment in the Arts and Culture* takes the important step of using sound to understand phenomena that are *not only* auditory – that is, virtual reality.

Within the field of audition, a sound system is a *phonographic* instrument *par excellence*, that is, it plays only already recorded music and sound effects, rather than the beats and pitches from which

these recordings have been “built” (to use the Jamaican music producer’s lingo). This has been recognised by Dick Hebdige, Paul Gilroy and others in respect to the sound system. More recently, the particular importance of phonographic technology more generally has been explored in the pioneering work of Jonathan Sterne’s *The Auditory Past*, Alexander Weheliye’s *Phonographies: Grooves in Sonic Afro-Modernity*, Mark Katz’s *Capturing Sound*, perhaps initiated by Evan Eisenberg’s *The Recording Angel: The Experience of Music from Aristotle to Zappa* published in 1987. Its phonographic medium propels *Sonic Bodies* to give special attention to the performance techniques and practices of the sound system crew, as these have been described in Frank Broughton and Bill Brewster’s practical guide *How to DJ Properly*. The selector’s turntable ability to mix or “juggle” tracks is also of considerable theoretical interest. Nicolas Bourriaud builds an entire postmodern aesthetic on what he describes as the DJ’s “re-performance” skills, in *Postproduction, Culture as Screenplay: How Art Reprograms the World*.

Body of sound

Sonic Bodies claims that thinking through sounding is relevant well beyond the particular example of the Jamaican sound systems. It argues that there is a distinct and different way of thinking expressed through sounding. This emerges from the intimate nature of the relationship between sound and embodiment, one that is only matched by that between vision and the disembodied mind, as an entirely different sensory modality and another kind of object altogether. Otherwise, of course, the body’s ear is quite different from the mind’s eye. With the current corporeal turn,¹⁹ this auditory connection to embodiment is gaining an increasing purchase. It has certainly been aided and abetted by renewed interest in the senses, often from within an anthropological tradition. Here the work of Paul Stoller, Katheryn Geurts, David Howes, Constance Classen and others has been most important. Crucially, the turn *towards* the body is also a turn *away* from the discourse, language and inscription with which so much in arts and social sciences has been preoccupied. It is also a turn *away* from an hierarchy of the senses and the dominance of vision in particular, *towards* a pattern of cooperation of sensory modalities in which each contributes its unique qualities for our negotiation through the “ambient energy flux.”²⁰ While readily recognising surfaces, edges and patterns, the eye is more accurate with alignment by the straight line of sight. The ear, by contrast, is at home in the depth and textures of timbre, recognising the complexities of melody, harmony and octave transposition more readily. This not to essentialise the sensory modalities, but rather to recognise their affordances.

The dancehall session provides *Sonic Bodies* with a test bed for understanding the full-bodiedness of sensory experience. Here, the crew’s performance techniques together with their *phronēsis*, practical wisdom, exemplify the kind of complexities, subtleties and sophistications of which the body is capable – far more so than when the dominant dualistic tradition condemned it to being the mind’s extension, or its fleshly slave. Philosopher Richard Rorty sums this up most succinctly: “If the body had been easier to understand, nobody would have thought we had a mind.”²¹ In this way, the crew’s connoisseurship and expert evaluations express their embodied ways of knowing, or “logic in practice,” to use Pierre Bourdieu’s phrase.²² Dealing with sound and music, their performance expresses a kind of rationality that is not necessarily tied to formal logic, discourse or representation, though of course it can be so purposed. The sound crew’s evaluative techniques are described as *analogia*, rather than the logic, of their practice, as they are not restricted to analysis, calculation, inscription or visual representation. This develops the idea of the *ratio* of rationality, as the kind of

expertise both of, and at the heart of all manner of other performance and re-performance setting situations and practices. Many contemporary creative practices of these techniques often cannibalise existing recordings, as with Hip Hop scratching, Chris Cutler's "plunderphonics" or MP3 file "mashing," for example. This remixes the traditional distinctions between production and consumption.

On the basis of a fine-grained account of the performance techniques of popular culture sound system practices, *Sonic Bodies* challenges some of the most widely held assumptions about what knowledge itself actually is. One such assumption is that knowledge resides in "the mind" – as if thought could be separate from its body. Another is that knowledge is information about things, rather than relationships and dynamic patterns. A third assumption is that knowledge originates with peer-reviewed research in the academy, rather than subaltern or lumpen street cultures. So, some questions to start with: What kind of knowledge may a person have without knowing it? When is tacit *know-how* more important than explicit *know-what*? How is thinking through *sound* any different from thinking through *images*? What is meaning when it has nothing to do with representation? Thinking through sound encourages an auditory epistemology. The central idea is *propagation*, as with the periodic disturbances of sound waves through a medium. The longitudinal waves of sound, as with the transverse ones of light, need to be continually propagated. Without the periodic movement of vibrations there would simply be silence. The verb *sounding*, as distinct from the noun *sound*, emphasises such activity. Sounding always requires kinetic movement, with the corporeal agents of sonic bodies – whistling, clapping or singing; blowing, scraping, banging or otherwise playing a musical instrument; or pressing "play" on a recording of any of the above. Indeed, the echo and reverberation – the signature sound of Reggae dub – are music studio production methods for prolonging this auditory life.

The practices and processes of propagation ensure an approach that is dynamic as well as structured, addressing energetic fields rather than separate static objects. It is concerned with *rhythmos*, the patterning of intensities through time, rather than the pattern of symmetries, systems and codes in space. The foundation of this auditory epistemology is the crowd's visceral immersive experience of *sonic dominance* in the dancehall session.²³ This sensory experience is the pivot around which thinking through sound turns and returns – its *leitmotif*. Thinking through sounding also calls for a practical methodology of listening, where sound is a subject, a vehicle and a medium for the thinking process. As sounds displace images, thinking itself becomes more than just a cognitive manipulation of representations, and knowledge is not only visual. Listening concerns depths rather than surfaces, disposing it to evaluation, as with "sound judgement," further than mere monitoring. It is a haptic sense and, as touch itself, simultaneously both makes a connection between one and another, and recognises their separation. The ear serves as the organ of balance, readily "making sense" of things and recognising resonances and proportions between the frequencies of sound waves – as with an octave, for example. The eye can make very accurate alignments, but has no way of telling the proportional relationships between the frequencies of light.

The sound crew's phonographic re-performance obliges them in their practice – as we do in our investigation – to pay particular attention to the three dimensions of longitudinal waves. These are frequency or pitch, amplitude or volume, and timbre or sound "colour." The crew's skilled techniques "build the vibes" of the crowd in the dancehall session in the way the music producer "builds" the beats, harmonies and melodies of a "riddim" (rhythm) track from auditory vibrations. As sonic bodies themselves, the crewmembers are built out of such vibrations. Furthermore, the dynamic patterning of these vibrations offers the opportunity for an understanding of how the crewmembers "make sense"

what they do, which may include – without being entirely dependent upon – any conscious calculation or visual representation. The multi-sensory extremes of the sonic dominance of the sound system session make it a living laboratory for investigating the crew’s embodied ways of knowing. *Sounding Bodies* aims to expand the idea of sound, with the concept of *sounding*, in the way that Christophers Small has done for the concept of music, with his concept of *musicking* (but using the popular culture of the dancehall session, rather than Small’s culture of the classical symphony concert).²⁴ *Sounding* encompasses everything, everyone and all the activities that go into the making of sound. This includes listening, as sounding is always reciprocal and often rhythmic: impression and expression, crescendo and decrescendo, as well as the corporeal routine of breathing – as both inspiration and expiration.

Body of thought

In theory, thinking through sounding takes on an altogether different complexion than it does in practice. Sounding boasts a radical edge, entirely absent from habitual patterns of thought in terms of light and image. From the trumpets sounding the downfall of the walls of Jericho, the destabilising influence of audition has long been recognised. This critical attack that sound can be used to mobilise literally strikes at the heart of the predominantly ocularcentric character specific to Western metaphysics, and it has been extensively documented.²⁵ Seeing is believing, but hearing is only hearsay. But it should be noted that visual dominance is far from universal. It is not the foundation of many Eastern philosophies, for instance.²⁶ In fact it can be argued that sounding initiated Western philosophy, with the Orphic cults and Pythagoras’ “music of the spheres,” as Joscelyn Godwin suggests in *Harmonies of Heaven and Earth*. Before Plato’s cave wall becomes the screen on which shadows played, the cave’s rather more distinctive – and mysterious – characteristic was as a resonating echoic chamber. Sound certainly lingered on in the unwritten dialogic tradition of pre-Socratic philosophy, as it did in scientific investigation up to the start of the seventeenth century, with Johannes Kepler’s *Harmonices Mundi* and the “sound-house” of Francis Bacon’s *New Atlantis*.²⁷ Early twentieth-century avant-garde art was more concerned with making itself heard than with harmonic beauty. The Italian Futurists were famous for their noise machines, Russian revolutionary art less so for its invention of “artificial sound.”²⁸ Far from being a “natural” phenomenon, sound has a rich social and cultural history, much of which remains to be written.

More currently, in the context of the corporeal turn, the resonances of sounding and body can become a weapon against the reflections of lighting and mind. Thinking through sound thus evolves into a philosophy of resonance, which is, in almost every respect, rather different from more commonplace philosophical reflection. But what does a philosophical resonance sound like? It is likely to be concerned with relationality, that is, mixing, mingling and synthesis as well as analysis of similarities as well as differences, and continuities as well as dichotomies. Most critically it includes embodied practice and subjective sensory experience as well as the manipulation of mental images and cognitive process. In short, this way of philosophising exploits a vocabulary of auditory mechanisms and a repertoire of models and metaphors from sound and listening, in the way traditional philosophy has relied on visual support. This is certainly not to abandon reason, but rather to consider it as rational rather than only representation, as I do in the concluding chapter with the idea of “sound judgement.”

Sounding also has a critical edge against the text, the discourse and the formalist and structuralist preoccupations of much recent work in the arts and humanities that the philosophy of light has

underpinned. While these, in their time, proved useful against positivism and behaviourism, such reductionism no longer occupies the dominant position it once did. As might be expected, the critical questions sounding raises for text is orality and voicing (to which Chapter Seven, on the MC's vocal performance, is devoted). For language, the questions sounding raises concern the importance of phonetic expression of the particular utterance. Sounding turns away from Saussure's *La Langue*, the language system, towards precisely what this eschewed, *Parole*, or speech itself. Sounding draws attention to analogue variation, rather than the diacritical differences of a system of signification contingencies rather than abstract types or essentialisms; it is concerned with communication as an embodied, situated and particular process in the way feminist epistemologies have pioneered. This reorientation from a discursive to an embodied emphasis, that working through sounding encourages, might seem to favour a sensory gear change from eye to ear. The mind's eye for text was invariably privileged over and above the body's ear for speech. But thinking through sound does not call for a reconfiguration of the senses as such – other than recognising their multiplicity.

There is currently a growing interest in a metaphysics that refrains from the traditional ocularcentric obsession where vision stands as the paradigm for all perception, as Casey O'Callaghan argues in *Sounds: A Philosophical Theory*. This is a philosophy of sound, rather than a philosophy that is in any way itself auditory – as with the kind of auditory methodology advocated here. From within the tradition of analytical philosophy, O'Callaghan makes no mention of European thinking on sound and audition. This favours enquiry into listening and the voice, as with Jean-Luc Nancy's *Listening*, Peter Szendy's *Listen: A History of Our Ears* and Mladen Dolar's *A Voice and Nothing More*. Prior to this comparatively recent work, such interest came from phenomenologically oriented thinkers, such as Don Ihde with *Listening and Voice*, David Michael Levin with *The Listening Self* and Joachim Ernst Berendt's *The Third Ear: On Listening to the World*. Jean-Francois Augoyard and Henri Torgue in *Sonic Experience: A Guide to Everyday Sounds* describe the empirical detail of sound as effect. Adriana Cavarero details exquisitely in *For More than One Voice: Toward a Philosophy of Vocal Expression*, sound has always been an anathema to the dominant traditions of Western philosophy. This is because the sound of the voice makes it impossible to ignore our human embodiment, both in general and in particular, as with the distinctive sound that each individual's voice expresses. To be sure, a person's face is key to our relational identity with the Other, as Emmanuel Lévinas has proposed to be the foundation of philosophy as ethics.²⁹ But equally important is their voice, where the *value* of this distinctiveness is very different. This is due entirely to the mechanical characteristics of auditory propagation, compared to those of light – that is, physics, rather than metaphysics. Our eyes see a face, or the surface of any object, to the extent that it reflects or absorbs an ambient light source. The face itself has no say in the matter – exactly the opposite when the face chooses to speak, that is, to take responsibility for its own propagation in the auditory sphere. Similarly, in the dark, a person might be forced to identify him or herself by shining a light on their own face.

It is such practical properties of the propagation of sound that configure thinking through sounding to produce an "auditory imagination," to use the term T. S. Eliot originally coined for the understanding of poetry.³⁰ The idea of an imagination has merit compared to the more formal alternatives of auditory philosophy, epistemology or metaphysics, in so far as it expresses the potentialities embodied in knowing that sounding is being used to explore in this volume. From the point of view of light, sound always remains in the dark shadows. From the point of view of listening there are questions on which light always remains silent. It is these that *Sonic Bodies* begins to ask.

sample content of Sonic Bodies: Reggae Sound Systems, Performance Techniques, and Ways of Knowing

- [Anatomy of Restlessness: Selected Writings 1969-1989 book](#)
- [read Solving Non-Standard Packing Problems by Global Optimization and Heuristics pdf, azw \(kindle\)](#)
- [download online The Art of Pixar: The Complete Color Scripts and Select Art from 25 Years of Animation](#)
- [click How Music Works: A Listener's Guide to Harmony, Keys, Broken Chords, Perfect Pitch and the Secrets of a Good Tune for free](#)
- [click Exploring the Moon: The Apollo Expeditions pdf, azw \(kindle\), epub](#)

- <http://xn--d1aboelcb1f.xn--p1ai/lib/Anatomy-of-Restlessness--Selected-Writings-1969-1989.pdf>
- <http://weddingcellist.com/lib/Agents-of-Uncertainty--Mysticism--Scepticism--Buddhism--Art-and-Poetry--Consciousness--Literature-and-the-Arts--Vol>
- <http://anvilpr.com/library/The-Art-of-Pixar--The-Complete-Color-Scripts-and-Select-Art-from-25-Years-of-Animation.pdf>
- <http://test.markblaustein.com/library/End-Times-and-the-Secret-of-the-Mahdi--Unlocking-the-Mystery-of-Revelation-and-the-Antichrist.pdf>
- <http://musor.ruspb.info/?library/Goodnight-Mister-Tom.pdf>